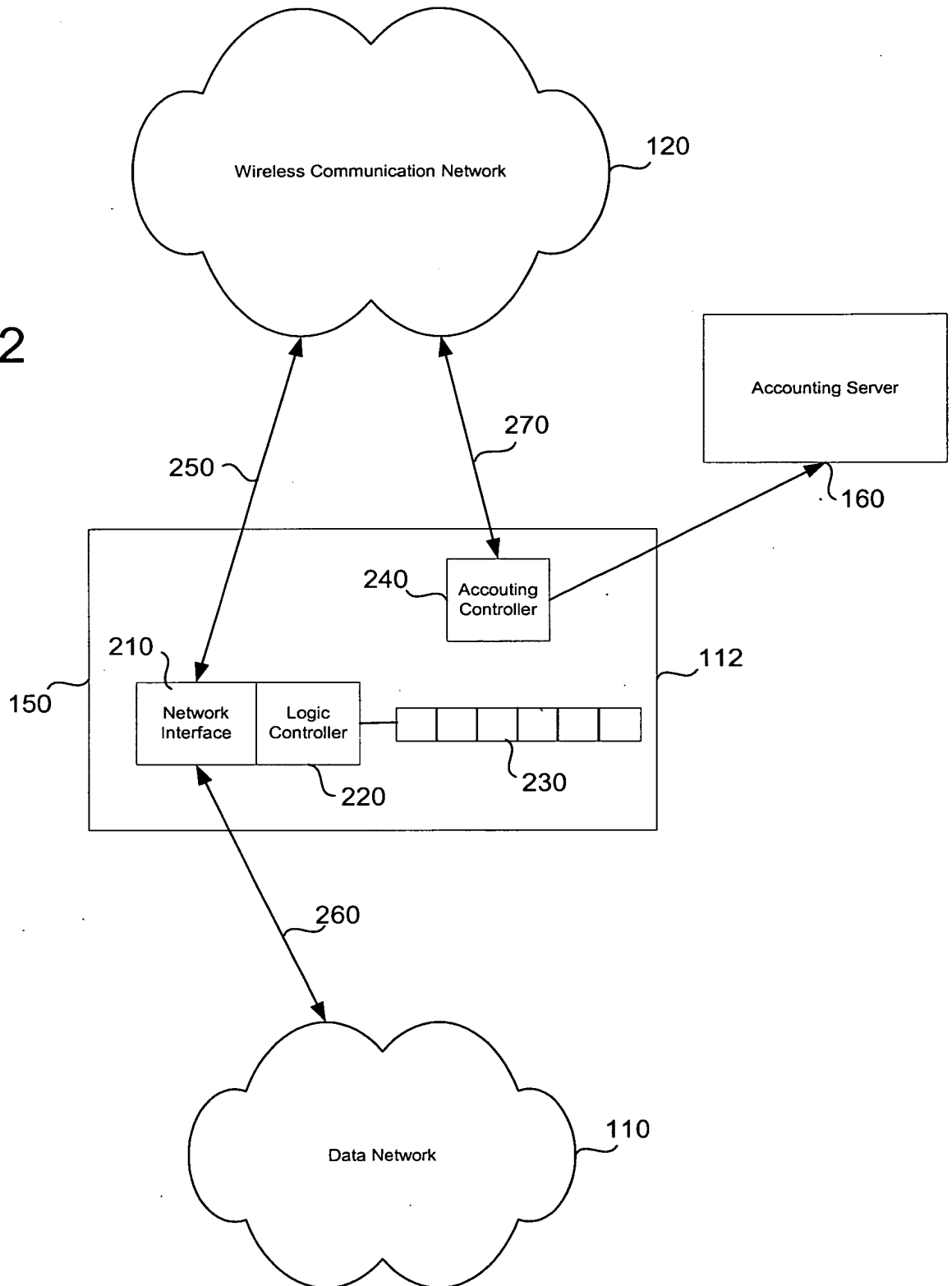
**Figure 1**11440RRUS02U
Sheet 1 of 12

Figure 211440RRUS02U
Sheet 2 of 12

310
320
330
340
350

Item	Parameter	Max Payload Length	Format
	Airlink Record Type = Y1 (Connection Setup)	1	integer
	R-P Session ID	4	string
a1	MSID	15	string
d3	Serving PCF	4	ip-addr
d4	BS / MSC ID	6	integer

Figure 3

11440RR
Sheet 3 of 11

410
420

Item	Parameter	Max Payload Length	Format
y	Airlink Record Type = Y2 (Connection Release)	1	integer
c1	R-P Session ID	4	string

Figure 4

11440RRUS02U
Sheet 3 of 12

	Item	Parameter	Max Payload Length	Format
505		Airlink Record Type = Y3 (Active Start)	1	integer
510		R-P Session ID	4	string
515	e1	User Zone	2	integer
520	f1	Forward Mux Option	2	integer
525	f2	Reverse Mux Option	2	integer
530	f3	Forward Fundamental Rate	1	integer
535	f4	Reverse Fundamental Rate	1	integer
540	f5	Service Option	2	integer
545	f6	Forward Traffic Type(Primary, Secondary)	1	integer
550	f7	Reverse Traffic Type(Primary, Secondary)	1	integer
555	f8	Fundamental Frame Size (5/20 ms)	1	integer
560	f9	Forward Fundamental RC	1	integer
565	f10	Reverse Fundamental RC	1	integer
570	i4	Airlink Quality of Service (QoS)	4	integer

Figure 5

11440RRUS02U
Sheet 4 of 12

Item	Parameter	Max Payload Length	Format
610	Airlink Record Type = Y4 (Active Stop)	1	integer
620	R-P Session ID	4	string
630	g8 Active Connection Time in Seconds	4	integer

Figure 6

11440RRUS02U
Sheet 5 of 12

Item	Parameter	Max Payload Length	Format
710	Airlink Record Type = SDB	1	integer
720	R-P Session ID	4	string
730	f4 Mobile Originated/Mobile Terminated Indicator	1	integer
740	g10 SDB Octet Count	4	integer

Figure 7

11440RRUS02U
Sheet 5 of 12

Item	Parameter	Description
810	A. Mobile Identifiers	
820	A1	MSID
	B. User Identifiers	
	B1	IP Address IP address of the mobile station.
825	B2	Network Access Identifier (NAI) user@domain construct which identifies the user and home network of the mobile station.
	C. Session Identifiers	
	C1	Account Session ID A unique accounting ID ID created by the PDSN that allows stop and start records to be matched in a log file.
830	C2	Correlation ID An ID that correlates all accounting sessions authorized for this NAI by this access request
	D. Infrastructure Identifiers	
	D1	MIP Home Agent (HA) The IP address of the HA
	D2	PDSN/FA Address IP address or other identifier.
	D3	Serving PCF The IP address of the serving PCF
	D4	BS / MSC ID The IP address of the BS/MSC.
840	E. Zone Identifiers	
850	E1	User Zone Tiered Services user zone.
	F. Session Status	
	F1	Forward Mux Option
	F2	Reverse Mux Option
	F3	Forward Fundamental Rate
	F4	Reverse Fundamental Rate
	F5	Service Option
	F6	Forward Traffic Type Primary and Secondary
	F7	Reverse Traffic Type(Primary, Secondary) Primary and Secondary
	F8	Fundamental Frame Size The fundamental channel has the choice of 5 or 20 ms size. The 5ms frame sized comes from the DCCH (dedicated signaling channel) concept and allows fast response for short signaling messages (short frame can be decoded quickly).
	F9	Forward Fundamental RC
	F10	Reverse Fundamental RC
	F11	IP Technology Identifies Simple IP, Mobile IP, or another technology.
	F12	Compulsory Tunnel Indicator Indicator of invocation of compulsory tunnel established on behalf of MS for providing private network and/or ISP access during a single packet data connection.
860	F13	Release Indicator Specifies reason for sending a stop record.
	G. Session Activity	
	G1	Data Octet Count (Terminating) total # of octets sent to the user.
	G2	Data Octet Count (Originating) total # of octets sent by the user.
	G3	Bad PPP frame count total # PPP frames from the mobile station dropped by PDSN due to uncorrectable errors.
	G4	Event Time Indicates start of accounting session or stop of accounting session if part of a RADIUS start message or stop message, respectively. It is also used in a RADIUS interim message to indicate the time of the event which triggered the interim message.
	G8	Active Time The total active connection time on traffic channel in seconds.

Figure 8A

870	G9	Number of Active Transitions	The total number of non-active to Active transitions by the user.
	G10	SDB Octet Count (Terminating)	The total number of octets sent to the user via Short Data Bursts.
	G11	SDB Octet Count (Originating)	The total number of octets sent by the user via Short Data Bursts.
	G12	Number of SDBs (Terminating)	The total number of Short Data Burst transactions.
	G13	Number of SDBs (Originating)	The total number of Short Data Burst transactions.
880	H. Special Billing Instructions		
	H1	Alternate Billing Identifier	An IP address or other identifier of alternate entity for which data session usage may be billed.
	I. Quality of Service		
	I1	IP Quality of Service (QoS)	The home RADIUS server authorizes the mobile to mark packets (only) with these Differentiated Services code points.
	I2	Interconnection IP Network Provider ID	Identifies IP network which connects wireless carrier network to destination.
	I3	Interconnecting IP Network Service Quality of Service	Identifies QoS offered by IP network which connects wireless carrier network to destination.
	I4	Airlink Quality of Service (QoS)	Identifies airlink QoS

Figure 8B

11440RRUS02U
Sheet 7 of 12

Time	Wireless Communication Network	Accounting Controller
1	MS is dormant	
2		Network originated data enters DN and sent to WCN -- octet_count incremented
3	SDB is being transmitted over the air	More network data enters DN and sent to WCN -- octet_count incremented
4	-- Airlink record (SDB, sdb_octets1) sent	-- start and stop records sent to acct. server using sdb_octets1 -- octet_count decremented by sdb_octets1
5	RN decides to put MS on traffic channel -- Active start airlink record sent	-- start record sent to acct. server
...
0	MS goes dormant -- Active stop airlink record sent	-- stop record sent to acct. server with octet_count -- octet_count zeroed

Figure 9

11440RRUS02U

Sheet 8 of 12

Time	Wireless Communication Network	Accounting Controller
1	MS is dormant	
2		Network originated data enters DN and sent to WCN -- octet_count incremented
3	SDB1 is being transmitted over the air	More network data enters DN and sent to WCN -- octet_count incremented
4	SDB2 is being transmitted over the air -- Airlink record (SDB1, sdb_octets1) sent	More network data enters DN and sent to WCN -- increments num_SDBs by 1, and total_SDB_octets by sdb_octets1 -- octet_count incremented
5	SDB3 is being transmitted over the air -- Airlink record (SDB2, sdb_octets2) sent	More network data enters DN and sent to WCN -- PDSN increments num_SDBs by 1, and total_SDB_octets by sdb_octets2 -- octet_count incremented
6		Interim timer expires -- start and stop records sent to acct. server using num_SDBs, total_SDB_octets and octet_count -- Clear num_SDBs, total_SDB_octets and octet_count
7	-- Airlink record (SDB3, sdb_octets3) sent	More network data enters DN and sent to WCN -- increments num_SDBs by 1, and total_SDB_octets by sdb_octets3 -- octet_count incremented
8	WCN decides to put MS on traffic channel -- Active start airlink record sent	More network data enters DN and sent to WCN -- start record sent to acct. server with num_SDBs, total_SDB_octets and octet_count -- octet_count incremented
...
n	MS goes dormant -- Active stop airlink record sent	-- stop record sent to acct. server with num_SDBs, total_SDB_octets and octet_count -- Clear num_SDBs, total_SDB_octets and octet_count

Figure 10

11440RRUS02U

Sheet 9 of 12

Figure 11

Sheet 10 of 12

Time	Wireless Communication Network	Accounting Controller
1	WCN decides to put MS on traffic channel and new PPP is established Active start airlink record (new PPP) sent	-- start record sent to acct. server
2	MS goes dormant -- Active stop airlink record (active_time1) sent	-- increment total_active_time by active_time1
3		Network originated data enters DN and sent to WCN. -- octet_count incremented
4	WCN decides to put MS on traffic channel Active start airlink record sent	Network originated data enters DN and sent to WCN. -- octet_count incremented
5	MS goes dormant -- Active stop Airlink record (active_time2) sent	increment total_active_time by active_time2
6		Interim timer expires -- interim record sent to acct. server with octet_count and total_active_time -- octet_count and total_active_time zeroed
...
n		PPP Session is closed (timeout) -- stop record sent to acct. server with octet_count and total_active_time

Figure12

Figure 13

11440RR
Sheet 12 of 12

